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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gail Bishop et al.
Serial No. : 10/694,520
Filed : October 27, 2003
Title : SOMATIC CELL GENE TARGETING VECTORS AND METHODS OF USE
THEREOF

Art Unit : 1632
Examiner : Unknown

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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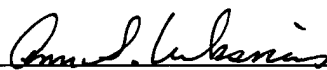
The following correspondence relating to this application is enclosed for filing:

1. Information Disclosure Statement (1 page);
2. Form PTO-1449 (3 pages);
3. Copies of Cited References (46 references); and
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Respectfully submitted,

Date: 27 September 2004

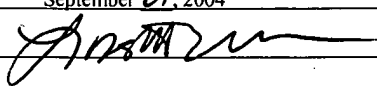

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INFORMATION DISCLOSURE STATEMENT

Copies of the references listed on the attached form PTO-1449 are enclosed.

This statement is being filed before the receipt of a first Office Action on the merits.

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Lisa M. Becker

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17023-019001	Application No. 10/694,520
Information Disclosure Statement by Applicant (Use several sheets if necessary) SEP 29 2004 (37 CFR §1.98(b)) PATENT & TRADEMARK OFFICE		Applicant Gail Bishop et al.	
		Filing Date October 27, 2003	Group Art Unit 1632

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,959,317	09/25/90	Sauer			
	AB	5,814,300	09/29/98	Scott et al.			
	AC	6,077,667	06/20/00	Bradley et al.			
	AD	6,413,777	07/02/02	Reff et al.			
	AE	2002/0194628	12/19/02	Weisgraber et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AF							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AG	Ahonen et al., "The CD40-TRAF6 axis controls affinity maturation and the generation of long-lived plasma cells," <u>Nat. Immunol.</u> , 2002, 3:451-456
	AH	Arbonés et al., "Gene targeting in normal somatic cells: inactivation of the interferon- γ receptor in myoblasts," <u>Nat. Genet.</u> , 1994, 6:90-97
	AI	Baniyash and Eshhar, "Inhibition of IgE binding to mast cells and basophils by monoclonal antibodies to murine IgE," <u>Eur. J. Immunol.</u> , 1984, 14:799-807
	AJ	Bennett et al., "Help for cytotoxic-T-cell responses is mediated by CD40 signalling," <u>Nature</u> , 1998, 393:478-480
	AK	Bishop and Houghton, "Induced differentiation of a transformed clone of Ly-1 ⁺ B cells by clonal T cells and antigen," <u>Proc. Natl. Acad. Sci. USA</u> , 1986, 83:7410-7414
	AL	Bishop et al., "Signaling via major histocompatibility complex class II molecules and antigen receptors enhances the B cell response to gp39/CD40 ligand," <u>Eur. J. Immunol.</u> , 1995, 25:1230-1238
	AM	Bishop, "Requirements of Class II-Mediated B Cell Differentiation for Class II Cross-Linking and Cyclic Amp," <u>J. Immunol.</u> , 1991, 147:1107-1114
	AN	Brown et al., "Bypass of Senescence After Disruption of p21 ^{CIP1/WAF1} Gene in Normal Diploid Human Fibroblasts," <u>Science</u> , 1997, 277:831-834
	AO	Brown et al., "Regulation of TRAF2 Signaling by Self-induced Degradation," <u>J. Biol. Chem.</u> , 2002, 277:19433-19438
	AP	Busch and Bishop, "Multiple Carboxyl-Terminal Regions of the EBV Oncoprotein, Latent Membrane Protein 1, Cooperatively Regulate Signaling to B Lymphocytes Via TNF Receptor-Associated Factor (TRAF)-Dependent and TRAF-Independent Mechanisms," <u>J. Immunol.</u> , 2001, 167:5805-5813
	AQ	Busch and Bishop, "The EBV Transforming Protein, Latent Membrane Protein 1, Mimics and Cooperates with CD40 Signaling in B Lymphocytes," <u>J. Immunol.</u> , 1999, 162:2555-2561

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	AR	Foy et al., "Immune Regulation by CD40 and its Ligand GP39," <u>Annu. Rev. Immunol.</u> , 1996, 14:591-617
	AS	Hamano et al., "Establishment of B Cell Hybridomas with B Cell Surface Antigens," <u>J. Immunol.</u> , 1982, 129:1403-1406
	AT	Hanson and Sedivy, "Analysis of Biological Selections for High-Efficiency Gene Targeting," <u>Mol. Cell Biol.</u> , 1995, 15:45-51
	AU	Haxhinasto et al., "Cutting Edge: Molecular Mechanisms of Synergy Between CD40 and the B Cell Antigen Receptor: Role for TNF Receptor-Associated Factor 2 in Receptor Interaction," <u>J. Immunol.</u> , 2002, 169:1145-1149
	AV	Heath et al., "Monoclonal antibodies to murine CD40 define two distinct functional epitopes," <u>Eur. J. Immunol.</u> , 1994, 24:1828-1834
	AW	Hernan et al., "Multiple Epitope Tagging of Expressed Proteins for Enhanced Detection," <u>BioTechniques</u> , 2000, 28:789-793
	AX	Hostager and Bishop, "Cutting Edge: Contrasting Roles of TNF Receptor-Associated Factor 2 (TRAF2) and TRAF3 in CD40-Activated B Lymphocyte Differentiation," <u>J. Immunol.</u> , 1999, 162:6307-6311
	AY	Hostager and Bishop, "Role of TNF Receptor-Associated Factor 2 in the Activation of IgM Secretion by CD40 and CD120b," <u>J. Immunol.</u> , 2002, 168:3318-3322
	AZ	Hostager et al., "Recruitment of CD40 and Tumor Necrosis Factor Receptor-associated Factors 2 and 3 to Membrane Microdomains during CD40 Signaling," <u>J. Biol. Chem.</u> , 2000, 275:15392-15398
	AAA	Hostager et al., "Different CD40-Mediated Signaling Events Require Distinct CD40 Structural Features," <u>J. Immunol.</u> , 1996, 157:1047-1053
	ABB	Hsing and Bishop, "Requirement for Nuclear Factor- κ B Activation by a Distinct Subset of CD40-Mediated Effector Functions in B Lymphocytes," <u>J. Immunol.</u> , 1999, 162:2804-2811
	ACC	Hsing et al., "Characterization of CD40 Signaling Determinants Regulating Nuclear Factor- κ B Activation in B Lymphocytes," <u>J. Immunol.</u> , 1997, 159:4898-4906
	ADD	Hu et al., "A Novel RING Finger Protein Interacts with the Cytoplasmic Domain of CD40," <u>J. Biol. Chem.</u> , 1994, 269:30069-30072
	AEE	Ishida et al., "Identification of TRAF6, a Novel Tumor Necrosis Factor Receptor-associated Factor Protein That Mediates Signaling from an Amino-terminal Domain of the CD40 Cytoplasmic Region," <u>J. Biol. Chem.</u> , 1996, 271:28745-28748
	AFF	Jabara et al., "The Binding Site for TRAF2 and TRAF3 but Not for TRAF6 Is Essential for CD40-Mediated Immunoglobulin Class Switching," <u>Immunity</u> , 2002, 17:265-276
	AGG	Jalukar et al., "Characterization of the Roles of TNF Receptor-Associated Factor 6 in CD40-Mediated B Lymphocyte Effector Functions," <u>J. Immunol.</u> , 2000, 164:623-630
	AHH	Kim et al., "Establishment and Characterization of BALB/c Lymphoma Lines with B Cell Properties," <u>J. Immunol.</u> , 1979, 122:549-554
	AII	Lee et al., "TRAF2 is Essential for JNK but Not NF- κ B Activation and Regulates Lymphocyte Proliferation and Survival," <u>Immunity</u> , 1997, 7:703-713
	AJJ	Liu et al., "Dissection of TNF Receptor 1 Effector Functions: JNK Activation Is Not Linked to Apoptosis While NF- κ B Activation Prevents Cell Death," <u>Cell</u> , 1996, 87:565-576
	AKK	Lomaga et al., "TRAF6 deficiency results in osteopetrosis and defective interleukin-1, CD40, and LPS signaling," <u>Genes & Development</u> , 1999, 13:1015-1024

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	ALL	Long et al., "Efficient cDNA Expression Vectors for Stable and Transient Expression of HLA-DR in Transfected Fibroblast and Lymphoid Cells," <u>Hum. Immunol.</u> , 1991, 31:229-235
	AMM	Lyznik et al., "Activity of yeast FLP recombinase in maize and rice protoplasts," <u>Nucleic Acids Res.</u> , 1993, 21(4):969-975
	ANN	Manning et al., "Cellular responses to murine CD40 in a mouse B cell line may be TRAF dependent or independent," <u>Eur. J. Immunol.</u> , 2002, 32:39-49
	AOO	Nguyen et al., "TRAF2 Deficiency Results in Hyperactivity of Certain TNFR1 Signals and Impairment of CD40-Mediated Responses," <u>Immunity</u> , 1999, 11:379-389
	APP	Rothe et al., "TRAF2-Mediated Activation of NF- κ B by TNF Receptor 2 and CD40," <u>Science</u> , 1995, 269:1424-1427
	AQQ	Sauer and Henderson, "Cre-stimulated recombination at <i>loxP</i> -containing DNA sequences placed into the mammalian genome," <u>Nucleic Acids Research</u> , 1989, 17:147-161
	ARR	Sauer, "Manipulation of Transgenes by Site-Specific Recombination: Use of Cre Recombinase," <u>Methods Enzymol.</u> , 1993, 225:890-900
	ASS	Schoenberger et al., "T-cell help for cytotoxic T lymphocytes is mediated by CD40-CD40L interactions," <u>Nature</u> , 1998, 393:480-483
	ATT	Sedivy and Dutriaux, "Gene targeting and somatic cell genetics: a rebirth or coming of age?" <u>Trends in Genetics</u> , 1999, 15:88-90
	AUU	Stout and Suttles, "The many roles of CD40 in cell-mediated inflammatory responses," <u>Immunology Today</u> , 1996, 17:487-492
	AVV	Takeuchi et al., "Anatomy of TRAF2, Distinct Domains for Nuclear Factor- κ B Activation and Association with Tumor Necrosis Factor Signaling Proteins," <u>J. Biol. Chem.</u> , 1996, 271:19935-19942
	AWW	te Riele et al., "Consecutive inactivation of both alleles of the <i>pim-1</i> proto-oncogene by homologous recombination in embryonic stem cells," <u>Nature</u> , 1990, 348:649-651
	AXX	Turner and Foster, "The Potential Exploitation of Plant Viral Translational Enhancers in Biotechnology for Increased Gene Expression," <u>Mol. Biotech.</u> , 1995, 3:225-234
	AYY	Yanagawa et al., "Enrichment and efficient screening of ES cells containing a targeted mutation: the use of DT-A gene with the polyadenylation signal as a negative selection marker," <u>Transgenic Research</u> , 1999, 8:215-221
	AZZ	Yeh et al., "Early Lethality, Functional NF- κ B Activation, and Increased Sensitivity to TNF-Induced Cell Death in TRAF2-Deficient Mice," <u>Immunity</u> , 1997, 7:715-725

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